

List of Publications

First or corresponding author's publication

1. Jain, Rishabh Raj, Bipin Kumar Sahni, Indira Mishra, and **Saifi Izhar**. "COVID-19 lockdown impact on air quality and associated health benefit in two contrasting urban cities in Eastern Indo Gangetic Plain." *Atmospheric Environment: X* 23 (2024): 100290.
2. Mishra, Kumar Gaurav, Tarun Gupta, and **Saifi Izhar**. "Source profile of PM_{2.5} emissions from different primary sources in the coal capital city Dhanbad, India." *Atmospheric Environment: X* 21 (2024): 100235.
3. **Izhar, Saifi**, Tarun Gupta, Adnan Mateen Qadri, and Arnico K. Panday. "Wintertime chemical characteristics of aerosol and their role in light extinction during clear and polluted days in rural Indo Gangetic plain." *Environmental Pollution* 282 (2021): 117034
4. **Izhar, Saifi**, Tarun Gupta, and Arnico K. Panday. "Improved method to apportion optical absorption by black and brown carbon under the influence of haze and fog at Lumbini, Nepal, on the Indo- gangetic Plains." *Environmental Pollution* 263 (2020): 114640
5. **Izhar, Saifi**, Tarun Gupta, and Arnico K. Panday. "Scavenging efficiency of water soluble inorganic and organic aerosols by fog droplets in the Indo Gangetic Plain." *Atmospheric Research* 235 (2020): 104767
6. **Izhar, Saifi**, Tarun Gupta, Aliva P. Minz, Shantibhusan Senapati, and Arnico K. Panday. "Influence of regional and long range transport air masses on fog water composition, contribution and toxicological response at Indo Gangetic Plain." *Atmospheric Environment* (2019): 116888
7. **Izhar, Saifi**, Prashant Rajput, and Tarun Gupta. "Variation of particle number and mass concentration and associated mass deposition during Diwali festival." *Urban climate* 24 (2018): 1027-1036
8. **Izhar, Saifi**, Anubha Goel, Abhishek Chakraborty, and Tarun Gupta. "Annual trends in occurrence of submicron particles in ambient air and health risk posed by particle bound metals." *Chemosphere* 146 (2016): 582-590

Co-authors publications

1. Khan, Imran, Bharat C. Choudhary, **Saifi Izhar**, Devender Kumar, Manavalan Satyanarayanan, Vishnu D. Rajput, and Shahwaz Khan. "Exploring geochemical distribution of potentially toxic elements (PTEs) in wetland and agricultural soils and associated health risks." *Environmental Science and Pollution Research* (2023): 1-17
2. Khan, Imran, Rashid Umar, and **Saifi Izhar**. "Hydrogeochemical and health risk assessment in and around a Ramsar-designated wetland, the Ganges River Basin, India: Implications for natural and human interactions." *Environmental Monitoring and Assessment* 194, no. 7 (2022): 483.
3. Soni, Ashish, Anil Kumar Mandariya, Pradhi Rajeev, **Saifi Izhar**, Gyanesh Kumar Singh, Vikram Choudhary, Adnan Mateen Qadri, Aman Deep Gupta, Amit Kumar Singh, and Tarun Gupta. "Multiple site ground-based evaluation of carbonaceous aerosol mass concentrations retrieved from CAMS and MERRA-2 over the Indo-Gangetic Plain." *Environmental Science: Atmospheres* 1, no. 7 (2021): 577-590.
4. Goel, Anubha, Pinki Bhandari, **Saifi Izhar**, Chhavi Sharma, P K Patanjali. "Effect of Spray Particle Size Distribution on Deposition in Human Respiratory Tract – Safety Evaluation." *Journal of Scientific and Industrial Research* 79 (2020)

5. Rajput, Prashant, **Saifi Izhar**, and Tarun Gupta. "Deposition modeling of ambient aerosols in human respiratory system: Health implication of fine particles penetration into pulmonary region." *Atmospheric Pollution Research* 10, no. 1 (2019): 334-343
6. Goel, Anubha, **Saifi Izhar**, and Tarun Gupta. "Study of environmental particle levels, its effects on lung deposition and relationship with human behaviour." In *Environmental Contaminants*, pp. 77-91. Springer, Singapore, 2018

Conferences

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6. **Izhar, Saifi**, Tarun Gupta, and Arnico K. Panday (2019) "Impact of Visibility on Light Absorption by Atmospheric Aerosol Brown Carbon". EAC2019 (Gothenburg, Sweden) (Oral).
7. **Izhar, Saifi**, Tarun Gupta, and Arnico K. Panday (2018) "Understanding persistent winter fog impact on aerosol chemistry by evaluating day and night time particulate matter and their chemical species concentration at UNESCO World Heritage site Lumbini, Nepal" in AGU JING (Joint International Network in Geoscience) (AJM2018) (Xian, China) (Poster).
8. **Izhar, Saifi**, Tarun Gupta, and Arnico K. Panday (2018) "Impacts of air masses on fog water chemical composition and contribution in the Indo Gangetic Plain". Conference of Indian Aerosol Science & Technology Association-2018, (IIT Delhi) (Poster).
9. **Izhar, Saifi**, Tarun Gupta, and Arnico K. Panday (2018) "Fog scavenging of aerosol particles in the foothills of Himalayas". International Conference on Atmospheric Chemistry and Physics in Highly Polluted Environments, CIAAS 2019, (IIT Delhi) (Oral).
10. **Izhar, Saifi**, Siva Praveen Puppala, Maheswar Rupakheti, August Andersson, Örjan Gustafsson, Sujana Shrestha, Arnico K. Panday (2017) "Understanding the volatile compounds influence on absorbing properties of aerosol in the Kathmandu Valley". International workshop and science policy dialogue on Air Pollution, Climate and Health in Southern Asia and Hind Kush Himalaya-2017 (ICIMOD, Kathmandu) (Poster).